Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/05/2020 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125368	0	3.01	125487	3.07
Blue	F	SSC	125000	124285	-1	1.86	125102	1.85
Blue	E	FITC	15892	15484	-3	2.79	337	19.81
Blue	D	PE	29999	29482	-2	1.97	644	14.73
Blue	B	PerCP-Cy5-5	43732	43583	-1	3.65	1172	20.42
Blue	A	PE-Cy7	30845	30957	0	6.12	593	39.97
Red	C	APC	46112	45937	-1	2.46	1624	11.84
Red	A	APC-Cy7	30458	29704	-3	2.41	786	11.66
Violet	B	V450	7918	7659	-4	4.76	429	12.98
Violet	A	V500	32171	31182	-4	4.57	727	10.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17513	16.99	623	2	N/A	N/A	Pass
Blue	F	SSC	56585	1.35	561	2	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0219	226	Pass
Blue	D	PE	135	49.42	549	1	0.1618	265	Pass
Blue	B	PerCP-Cy5-5	215	50.09	657	1	0.0090	56	Pass
Blue	A	PE-Cy7	109	100.82	700	2	0.0114	19	Pass
Red	C	APC	389	24.94	585	1	0.0262	196	Pass
Red	A	APC-Cy7	173	28.43	556	0	0.0060	1174	Pass
Violet	B	V450	66	57.53	461	3	0.0550	2034	Pass
Violet	A	V500	108	32.35	477	3	0.0239	631	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.46	-32.09	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	17.56	13.60 - 20.40	N/A	N/A	29.63	30.07	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9666

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments